

IN THE CLAIMS:

1. (Currently Amended) A mobile telephone, comprising:

a vital sign measuring system having a vital sign sensor ~~fabricated~~ integrated within a chassis of said mobile telephone and configured to determine vital sign information of a user, wherein at least a portion of said vital sign measuring system is implemented as a series of instructions executing in a central processing unit of said mobile telephone;

a keypad, coupled to said vital sign measuring system, configured to allow a user to employ said series of instructions to control said vital sign sensor ~~measuring system~~ to determine said vital sign information; and

a display, wherein said vital sign sensor is configured to send said vital sign information to said display, said display, configured to receive said vital sign information from said vital sign sensor and provide said vital sign information to said user.

2. (Previously Presented) The mobile telephone as recited in Claim 1 wherein said vital sign sensor is a body temperature sensor.

3. (Previously Presented) The mobile telephone as recited in Claim 1 wherein said vital sign sensor is a blood pressure sensor.

4. (Previously Presented) The mobile telephone as recited in Claim 1 wherein said vital sign sensor is a pulse detector.

5. (Previously Presented) The mobile telephone as recited in Claim 1 wherein said vital sign sensor includes an analog to digital interface coupled to said display and configured to convert said vital sign information from analog data to digital data and directly send said digital data to said display to provide said vital sign information as digital data.

6. (Previously Presented) The mobile telephone as recited in Claim 1 further comprising a loudspeaker and a microphone, coupled to said vital sign measuring system, configured to provide said vital sign information to said user and configured to allow said user to control said vital sign measuring system, respectively.

7. (Previously Presented) The mobile telephone as recited in Claim 1 wherein said series of instructions of said vital sign measurement system are integrated with instructions of said mobile telephone executing on said central processing unit.

8. (Currently Amended) A method of employing a mobile telephone to measure a vital sign, said mobile telephone having a central processing unit including at least a portion of a vital sign measuring system, said vital sign measuring system having a vital sign sensor integrated in a chassis of said mobile telephone and configured to obtain vital sign information from a user, said method comprising:

employing said central processing unit to control said ~~controlling said vital sign measuring system having a vital sign sensor integrated in a chassis of said mobile telephone and configured to obtain~~ said vital sign information ~~from a user~~; and

providing said vital sign information to said user by sending said vital sign information from said vital sign sensor to a display of said mobile telephone.

9. (Previously Presented) The method as recited in Claim 8 wherein said vital sign sensor is a body temperature sensor.

10. (Previously Presented) The method as recited in Claim 8 wherein said vital sign sensor is a blood pressure sensor.

11. (Previously Presented) The method as recited in Claim 8 wherein said vital sign sensor is a pulse detector.

12. (Previously Presented) The method as recited in Claim 8 wherein said vital sign sensor is located on an opposite side of said mobile telephone as said display to simultaneously employ said vital sign sensor and provide said vital sign information to said user through said display.

13. (Original) The method as recited in Claim 8 further comprising providing said vital sign information to said user with a loudspeaker of said mobile telephone.

14. (Previously Presented) The method as recited in Claim 8 further comprising controlling said vital sign measuring system with a microphone of said mobile telephone.

15. (Currently Amended) A mobile telephone, comprising:
a vital sign measurement system including a body temperature sensor, a blood pressure sensor, a pulse detector and control circuitry coupled to said body temperature sensor, said blood pressure sensor and said pulse detector, said vital sign measurement system configured to determine vital sign information of a user;

a central processor unit, shared by said mobile telephone and said vital sign measurement system, configured to control measuring performed by said body temperature sensor, said blood pressure sensor and said pulse detector via said control circuitry when said vital sign measurement system is activated; and

a display configured to receive said vital sign information from said vital sign measurement system and provide said vital sign information to said user.

16. (Previously Presented) The mobile telephone as recited in Claim 15 wherein said system is integral with a chassis of said mobile telephone.

17. (Previously Presented) The mobile telephone as recited in Claim 15 wherein said vital sign measurement system includes a series of instructions executing on said central processor unit that controls said body temperature sensor, said blood pressure sensor and said pulse detector via said control circuitry.

18. (Previously Presented) The mobile telephone as recited in Claim 15 wherein said control circuitry provides said vital sign information to said user via a loudspeaker of said mobile telephone.

19. (Previously Presented) The mobile telephone as recited in Claim 15 wherein said vital sign measurement system is activated by a keypad of said mobile telephone.

20. (Previously Presented) The mobile telephone as recited in Claim 15 wherein said vital sign information is provided to said user via an analog signal indicated on said display.